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U.S. Patent Application Serial No. 09/446,958 Reply to Communication mailed December 8, 2005

## Amendments to the Specification:

Please amend the Specification as follows:

Please amend the paragraph beginning on page 14, line 20 as follows:

Finally, assuming q = j - n, we obtain the formula from which we derive the modulation algorithm:

$$s_{k+jM} = \sum_{q=0}^{2L-1} \underbrace{\sum_{m=0}^{2M-1} \underbrace{\sum_{m=0}^{2$$

Please amend the paragraph beginning on page 24, line 15 as follows:

Resuming the notations given by the formula (2) and taking account of the limited number of coefficients representing the prototype function (2ML), we obtain a demodulation formula as follows: